```
__main__

Readfile
(turns filename to
string)

EquationObject
(converts string to
metadata)

Solver
(uses metadata to
prepare to solve
equations)

RunAndOutput
(runs equations, then
spits out string)

Input_filename

Input_string

EquationsClass

Execute_list

Results_out

Results_list

.check()

.__init__()

.entered_equations
```

```
__main__

Input_filename

Input_string

Was Readfile
Is ImportData
(turns filename to
string) or will load saved
JSON files

Was Equation Class
Is EquationMetadata
(converts string to
metadata)

Solver
(uses metadata to
prepare to solve
equations)

RunAndOutput
(runs equations, then
spits out string)

ExportData
export string of results
and/or saves to JSON

EquationsMetadata

Execute_list

Results_out

Results_list

.check()

.__init__()

.entered_equations
```

text

Equations/variables

Blocks

Initial values

loops

functions

Recursively solve blocks

Libraries and complex math

Unit checking